

10/536641

JC13 Rec PCT/PTO 27 MAY 2005

**INFORMATION
DISCLOSURE STATEMENT
TRANSMITTAL**

To Commissioner For Patents

Enclosed herewith is a Form PTO-1449, required copies of documents listed thereon, and a concise explanation of their relevance is described below or enclosed herewith per 37 CFR 1.97.

<i>Application Number</i>	UNKNOWN
<i>Filing Date</i>	CONCURRENTLY
<i>First Named Inventor</i>	P. D'ALESSANDRO
<i>Group Art Unit</i>	UNASSIGNED
<i>Examiner Name</i>	UNASSIGNED
<i>Attorney Docket Number</i>	DE020297

Please charge any required fee under §1.17(i) or §1.17(p) or any other required fee (except the issue fee) to Account No. 14-1270.

- I certify that these documents were first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months ago.
- I certify that none of these documents were cited in any communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, none of these documents was known to any individual designated in §1.56(c) more than three (3) months ago.
 - Applicant hereby petitions under §1.97(d) that this IDS be considered after final Action or Notice of Allowance, pays the fee under §1.17(p) as indicated below, and I certify 1. or 2. as indicated above.
 - A fee under §1.17(p) is not required under §1.97(c), after the first Action on the merits and more than (3) months after the date of application or RCE, because I certify 1. or 2. as indicated above.
 - A copy of the citations is not required because they were previously submitted or cited in the parent application (or in U.S. patent application Ser. No. _____). Filing Date _____ relied on for an earlier effective filing date under 35 U.S.C. 120.
 - A copy of the U.S. patent(s) and patent application publication(s) in all U.S. national patent applications filed after June 30, 2003, and in all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003 under 37 CFR 1.491(b), are not required.
 - A concise explanation of the relevance of each non-English document, as understood by the individual designated in §1.56(c) most knowledgeable about the contents, is enclosed per §1.98(a)(3).

The concise explanation of the relevance of any non-English document, as understood by the individual designated in §1.56(c) most knowledgeable about the contents, is that the document is/was:

- cited in the specification or considered in drafting the specification of this application;
- previously submitted or cited in the parent application (or in a related patent application Ser. No. _____). Filing Date: _____);
- cited as an "X" or "Y" document in a foreign Patent Office search report in a foreign counterpart application, a copy of which report is also enclosed.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print Type)	Aaron WAXLER	Registration No. (Attorney/Agent)	48,027
Signature		Date	5/10/05

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	UNKNOWN
Filing Date	CONCURRENTLY
First Named Inventor	P. D'ALESSANDRO
Art Unit	UNASSIGNED
Examiner Name	UNASSIGNED
Attorney Docket Number	DF020297

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for form 1449/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	UNKNOWN
				Filing Date	CONCURRENTLY
				First Named Inventor	P. DALESSANDRO
				Art Unit	UNASSIGNED
				Examiner Name	UNASSIGNED
Sheet	1	of	1	Attorney Docket Number	DE020297

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	AD	"Digital I/Q Imbalance Compensation in a Low-IF Receiver", J.P.F. Glas, IEEE, 1998, pp. 1461-1466.		
	AE	"Improving QPSK Demodulator Performance for Quadrature Receiver with Information from Amplitude and Phase Imbalance Correction", H. Nguyen, IEEE, 2000, pp. 1440-1444.		
	AF	"Blind Source Separation Based I/Q Imbalance Compensation" M. Valkama et al, IEEE, 2000, pp. 310-314.		
	AG	"Advanced Methods for I/Q Imbalance Compensation in Communication Receivers", M. Valkama et al, IEEE, Vol. 49, No. 10, October 2001, pp. 2335-2344.		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
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